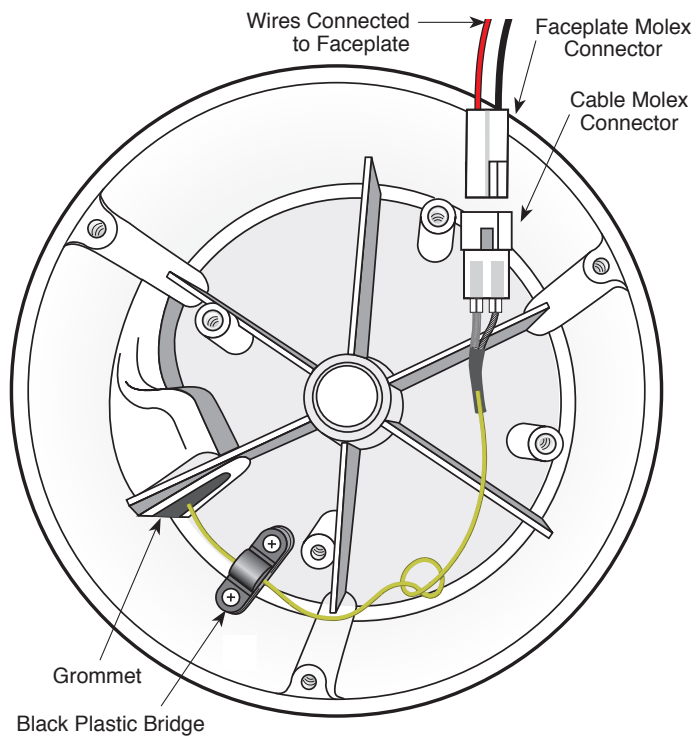


Tools and Materials Needed

1. Model 102 or 102M Replacement Cable
 - Available with P4 or P10 Probe attached
 - 2 Pin Cable Molex Connector
 - Grommet
2. Phillips or Robertson Screwdriver
3. Wire Cutters

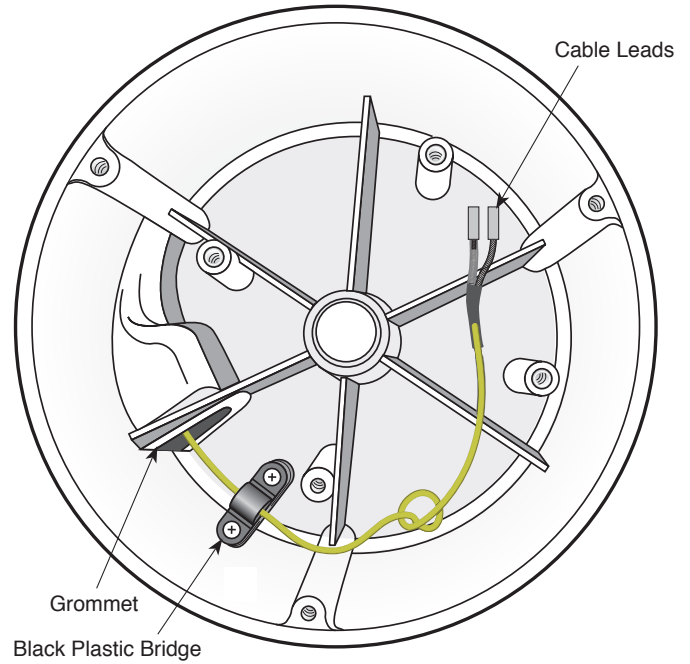
Instructions

1. Remove the battery. Unwind the old cable, and cut the cable at the end near the grommet.
2. Place the reel on a flat workbench with the faceplate up. Undo the three screws from the faceplate, and slowly remove it from the reel.
3. For Mk1 Model 102 Water Level Meters, disconnect old Cable Molex Connector from the Faceplate Molex Connector.



*Inside View of Mk1 Model 102 Reel Hub
Showing Connection Detail*

4. For the Mk2 Model 102 Water Level Meters, press down on the white terminals of the push-release fittings on the circuit board to remove the cable leads.



*Inside View of Mk2 Model 102 Reel Hub
Showing Connection Detail*

5. Undo the two screws from the black plastic bridge holding the cable inside the reel hub, and remove the top piece of the bridge.

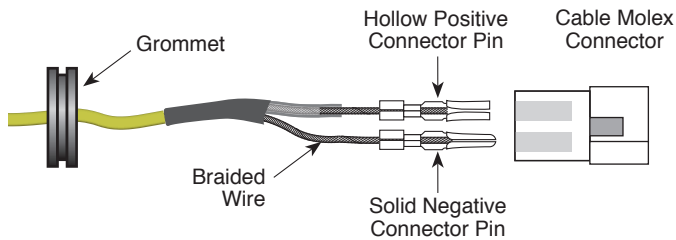
Note: There is no black plastic bridge in a 102M Mini reel.

6. Pull the cable through the grommet and remove from the reel.

Note: The replacement cable comes with a new grommet. The old grommet may be replaced with the new one, or left in if not damaged.

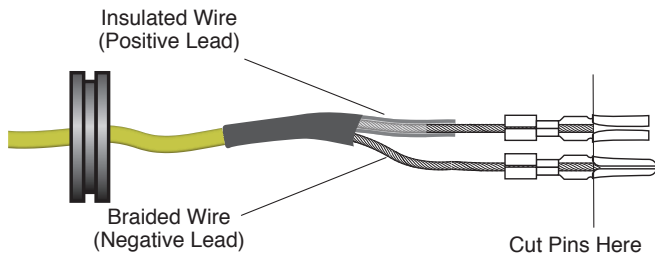
7. Feed the new cable with connector pins through the grommet into the reel hub. Without tangling the cable, feed about 1 ft (0.3 m) of cable through the grommet so as to provide enough slack to continue.
8. Tie a knot in the cable, approximately 5" (125 mm) from the end, to secure it from going back through the black plastic bridge (or the grommet in a 102M Mini reel).

- For the Mk1 Water Level Meters, by hand, insert the connector pins into the new Cable Molex Connector. The negative connector pin is inserted into the terminal on the pointed side of the Cable Molex Connector, and the positive pin into the other terminal (the negative pin is solid and the positive pin is hollow).



102/102M Replacement Cable for Mk1 102

- For the Mk2 Model 102 Water Level Meters, cut the pins on the replacement cable leads at the point shown in the illustration below. Use pliers to flatten the pins against the cable leads, so they fit in the terminals on the circuit board (see Step 13).

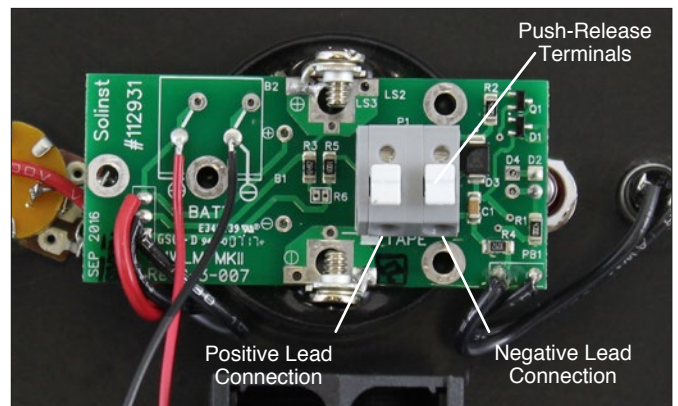


102/102M Replacement Cable for Mk2 102

- Position the cable inside the reel hub with black plastic bridge over top (the notch allowing the cable to run through the black plastic bridge facing downward) and refasten the two screws to secure the cable to the reel.

Note: There is no black plastic bridge in a 102M Mini reel.

- For the Mk1 Water Level Meters, connect the Cable Molex Connector to the Faceplate Molex Connector.
- For the Mk2 Water Level Meters, press down on the white terminals on the circuit board and insert the cable leads. Release the terminals and the cable leads should be secured. The positive lead is inserted into the terminal with white square below it on the circuit board. The positive lead has the pin connected to insulated wire, the negative pin is connected to the braided wire, see illustration on left.



102/102M Mk2 Cable Connection to Circuit Board

- Replace the battery.
- With probe in a glass of tap water, turn the Water Level Meter to the 'ON' position. If the connections are correct the buzzer and light on the Meter will be activated. Check connections if the buzzer does not sound.
- Replace the faceplate on the reel and re-secure the three screws.
- Wind the cable onto the reel, slowly, holding to ensure no slack.